

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

NAME Union Oil Company of California  
ADDRESS Attn: John Zager  
P.O. Box 196247  
Anchorage, AK 99519-6247  
FACILITY Trading Bay Production Facility  
LOCATION Cook Inlet, Alaska

(2-16)		(17-19)	
AKG-31-5002		015	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	
08	06	01	
		TO	
YEAR	MO	DAY	
08	06	30	
(20-21)	(22-23)	(24-25)	(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
015 Produced Water Flow Rate*	SAMPLE MEASUREMENT	3.991816	4.379382	MGD						Weekly	Estimate		
	PERMIT REQUIREMENT	Report	Report	MGD						Weekly	Estimate		
015 Produced Water Produced Sand	SAMPLE MEASUREMENT						No Discharge						
	PERMIT REQUIREMENT						No Discharge						
015 Produced Water pH**	SAMPLE MEASUREMENT				7		8	su		5 / Month	Grab		
	PERMIT REQUIREMENT				6		8	su		Weekly	Grab		
015 Produced Water Oil and Grease***	SAMPLE MEASUREMENT					19	20	mg/l		Weekly	Grab Average		
	PERMIT REQUIREMENT					29	42	mg/l		Weekly	Grab Average		
015 Produced Water Copper	SAMPLE MEASUREMENT					8	8	µg/l		Monthly	Grab		
	PERMIT REQUIREMENT					47	117	µg/l		Monthly	Grab		
015 Produced Water Manganese	SAMPLE MEASUREMENT					2	2	mg/l		Monthly	Grab		
	PERMIT REQUIREMENT					25	50	mg/l		Monthly	Grab		
015 Produced Water Mercury	SAMPLE MEASUREMENT					0.3	0.3	ug/l		Monthly	Grab		
	PERMIT REQUIREMENT					0.6	1.0	ug/l		Monthly	Grab		
015 Produced Water Silver	SAMPLE MEASUREMENT					2	2	ug/l		Monthly	Grab		
	PERMIT REQUIREMENT					23	47	ug/l		Monthly	Grab		
015 Produced Water Zinc	SAMPLE MEASUREMENT					0.003	0.003	mg/l		Monthly	Grab		
	PERMIT REQUIREMENT					0.9	1.9	mg/l		Monthly	Grab		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							TELEPHONE		DATE		
John Zager General Manager Mid Continent/Alaska Business Unit									(907) 276-7600		08	07	21
TYPED OR PRINTED		SIGNATURE OF Timothy Brandenburg PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DA
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)													

See Trading Bay Production Facility Page 3 of 3 for comments.

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
015 Produced Water TAH	SAMPLE MEASUREMENT					8	8	mg/L		Monthly	Grab	
	PERMIT REQUIREMENT					18	27	mg/L		Monthly	Grab	
015 Produced Water TAqH	SAMPLE MEASUREMENT					8	8	mg/l		Monthly	Grab	
	PERMIT REQUIREMENT					Report	Report	mg/L		Monthly	Grab	
015 Produced Water Total Ammonia	SAMPLE MEASUREMENT					No Sample	No Sample	mg/l		Quarterly	Grab	
	PERMIT REQUIREMENT					Report	Report	mg/l		Quarterly	Grab	
015 Produced Water Whole Effluent Toxicity Mytilus sp.*	SAMPLE MEASUREMENT					143	143	TUC		Quarterly	Grab	
	PERMIT REQUIREMENT					283	568	TUC		Quarterly	Grab	
015 Produced Water Whole Effluent Toxicity Dendraster excentricus	SAMPLE MEASUREMENT					No Sample	No Sample	TUC		Annually	Grab	
	PERMIT REQUIREMENT					283	568	TUC		Annually	Grab	
015 Produced Water Whole Effluent Toxicity Meridia beryllina	SAMPLE MEASUREMENT					No Sample	No Sample	TUC		Annually	Grab	
	PERMIT REQUIREMENT					283	568	TUC		Annually	Grab	
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John Zager General Manager Mid Continent/Alaska Business Unit								(907) 276-7600		08	07	21
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DA
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\*Identified as the most sensitive species.

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COMMENTS PAGE 3 OF 3

- \* Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.  
 Estimated workover fluid flow rate: **0.061600 MGD**  
 Estimated well treatment fluid flow rate: **0.000336 MGD**
- \*\* Frequency of pH measurement has been increased to more closely monitor water quality.
- \*\*\* Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.

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